

**NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Venable
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Docket No. 40011-178452
Date: February 20, 2002

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): MUTATION DETECTION USING MutS AND RecA

By (Inventors): Robert E. WAGNER, Jr., 11534 WCR 110, Carr, Colorado 80612
Miroslav RADMAN, 12 bis Rue Lecocq, 94250 Gentilly, France

- ☒ 32 Pages of Specification, including 28 Claims/1 page Abstract are attached.
☒ Formal drawings (4 sheets) are attached.
☐ A Declaration and Power of Attorney is filed herewith.
☐ An assignment of the invention to _____ is filed herewith, along with form PTO-1595 and a check for \$40.00.
☐ An Information Disclosure Statement is filed herewith, along with form PTO-1449, and 2 references.
☒ A Statement to establish small entity status under 37 C.F.R. §§1.9 and 1.27 is filed herewith.
☐ A Preliminary Amendment is filed herewith.
☒ Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. 60/270,428, filed February 21, 2001--
☐ Priority of foreign application No. _____ filed _____ in _____ is claimed (35 U.S.C. §119).
☐ A certified copy of the above corresponding foreign application is filed herewith.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

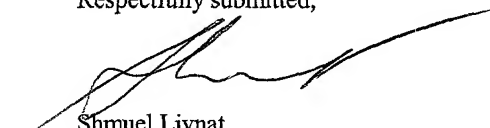
FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	64-20	= 44
INDEP CLAIMS	6- 3	= 3
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIMS		

SMALL ENTITY			LARGE ENTITY	
RATE	FEE	OR	RATE	FEE
	\$ 370	OR		\$ 740
x 9 =	\$ 396	OR	X 18	\$
x 42 =	\$ 117	OR	X 84	\$
+140 =	\$ 140	OR	+280	\$
TOTAL	\$1,023	OR	TOTAL	\$

A check for the filing fee is **not** enclosed at this time.

- ☒ This application is entitled to small entity status. **DO NOT** charge fees to our Deposit Account.

Respectfully submitted,


Shmuel Livnat
Registration No. 33,949